

HVAC SYSTEM WITH REFRIGERANT VENTING

ABSTRACT OF THE DISCLOSURE

5 Each blow-off valve includes a valve body with a first movable wall defining a portion of the liquid fluid passage therein and a second movable wall defining a portion of the suction fluid passage therein. An actuator interconnects the movable walls for simultaneously moving the walls and opening the fluid passages in response to the electrical leakage-warning signal. In the species of Figures 2 and 3, the movable
10 walls are integrally united with the valve body and include frangible sections that are fractured by an explosive squib to separate the movable walls from the body to simultaneously open the liquid and suction fluid passages. In the species of Figure 5, the movable walls are separate valve elements disposed in a circular bore that opens the passages to the ambient surroundings. The actuator includes a spring, for biasing
15 each of the valve elements out of its respective bore, and a holding device that weakens in response to the electrical leakage-warning signal.